SECTOR USE MAPS

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Use maps – why?

> *cf. REACH "**use**: means any processing, formulation, consumption, storage, keeping, treatment, filling into containers, transfer from one container to another, mixing, production of an article or any other utilisation"*

- When a substance is **registered** its foreseeable uses (**identified uses)** should be assessed by the registrants
- The identified (and covered) uses will be **communicated** in the **Safety Data Sheet** and **Exposure Scenarios**
- Use maps were the means for a downstream user to make its use known, i.e. to **report** it to the registrant → REACH art. 37(2) + art. 37(3)

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Use maps – by whom?

- Sector associations → have the knowledge on the way their products are used within the sector

Use maps – for whom?

- Registrants → input for the Chemical Safety Assessment
- Formulators → internal mapping of uses

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Use maps – how?

- Call for volunteers
- Sector associations to initiate discussions with their member companies:
  1. Identify relevant uses and respective contributing activities (objective: cover 80% market)
  2. Describe the uses + contributing activities (operational conditions and risk management measures) by means of:
     - Use Descriptors (R.12 ECHA Guidance)
     - Standard phrases (ESCom Standard Phrases Catalogue)
     - Other terminology
- Consider need for (internal) guidance
- Approval process
- Publication

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Use maps – what?

Downstream Users of Chemicals Co-ordination group

- Template: Excel file
- Description of relevant uses within the sector + other elements that may be needed by the registrants to perform the risk assessment
- In most cases, it contains (only) information to allow the registrants to perform an exposure assessment at screening level or "Tier-1" level, using e.g. the ECETOC Targeted Risk Assessment tool.

Use Maps packages:
1. use description
2. exposure assessment inputs

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Use maps – what?

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1. Use description

Standard use description + codes
(grouped per Life Cycle Stage)

Life Cycle Stage: manufacture, formulation or re-packaging, industrial use, professional use, consumer use,…

Contributing activities per use
+ link to exposure assessment inputs
(SWEDs, SCEDs and SPERCs)

Additional information
(optional)

- Each line (in the yellow part) ⇔ 1 use
- Each use ⇔ ≥ 1 contributing activity(ies)
- Each contributing activity ⇔ 1 exposure assessment input
  (for workers, consumers and/or the environment, as appropriate)

- SWED: **S**pecific **W**orker **E**xposure **D**escription
- SCED: **S**pecific **C**onsumer **E**xposure **D**eterminant
- SPERC: **Sp**ecific **E**nvironmental **R**elease **C**ategory [6]

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Use maps – what?

2. Exposure assessment inputs

Provide the **details** of use (operational conditions + risk management measures)

Workers	Consumers	Environment

SWED	SCED	SPERC

• Duration of activity
• Place of use
• Physical form of the used product
• Operating temperature
• Details on:
  – ventilation
  – PPE
• …
	• Concentration of substance in the mixture (indicative)
	• Physical form
	• Frequency of use
	• Details on exposure (dermal, inhalation, oral)
	• Skin contact area
	• …
		• Main emission sources (air, water, soil)
		• Type of process (continuous, batch)
		• Degree of containment
		• Waste water
		• Waste handling
		• RMM on site
		• Release fractions (air, water, soil, waste)
		• …

ECHA Guidance on CSA R.14. + others	**ECHA Guidance on CSA R.15. + others**	**ECHA Guidance on CSA R.16. + others**

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Use maps – where to find them?

• ECHA use maps library

https://echa.europa.eu/csr-es-roadmap/use-maps/use-maps-library

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Use maps – where to find them?

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> AISE
> International Association for Soaps, Detergents and Maintenance Products

> Concawe
> Fuels

> Cosmetics Europe
> Cosmetics and personal care products

> ECPA
> European Crop Protection Association

> EFCC
> European Federation for Construction Chemicals

> ESIG
> European Solvents Industry Group

> EuPC
> European Plastics Converters

> FEICA
> Association of the European Adhesive and Sealant Industry

> Fertilizers Europe
> Fertilizers Europe

> I&P Europe / I&P Europe Imaging and printing products
> I&P Europe

Sectors

- Excel and Chesar files
- Sectorial guidelines

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Benefits of using the Sector Use Maps

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- Quality : good use descriptions will lead to realistic conditions in the exposure scenarios
- Harmonisation : description of uses + information in the ES
- Clarity : standard phrases
- Representativeness : covering most uses in a sector / agreed by the involved industry
- Internal procedures : formulators can use them for internal mapping of uses
- Automation : available in Excel + Chesar format
- Efficiency : avoids unnecessary communication in the supply chain

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Cefic/DUCC Pilot on Use Maps – 3Q2018 -2Q2019

- Several suggestions for improvement were made – to be discussed further/ implemented

MAIN FINDINGS

- Registrants → CSA based on sector use maps works easily in practice at tier 1 level (Chesar, ECETOC TRA) : Consistent outcome + Efficient work-flow

- Formulators → benefits materialise when all ES are based on a sector use map

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Use maps – what's next?

- Recommendations from the pilot project
- Other sectors to take up the challenge
- Call for **downstream users and their sector organisations** who have not developed use maps for their sector yet: **please engage!**
- Companies:
  - ✓ encourage your sector organisation to develop use maps
  - ✓ engage in the activities for your uses to be included
- Sectors:
  - ✓ allocate resources
  - ✓ convince your members

Use and exposure information is key to all REACH processes

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**Use maps :
who's next?**

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